BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE WORK: CONSTRUCTION AND IMPROVEMENTS OF TOILETS IN WARD NO.7 BYATARAYANAPURA

MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
		Deduction									
		Triangular Area	Sqm	-1			6.25	-6.25			
					Triangular area=0.5*10*1.25=6.25						
							Total Executed Quantity	**16.91**			
							Schedule B Quantity	**16.91**			
							Now To be Paid Qty	**16.91**	**1330.56**	**22503.76**	
Item No.38		Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame complete as per specifications and site engineer in incharge									
Measurements taken on		17-05-2022									
		D1	m	10	5.70			57.00			
							Total Executed Quantity	**57.00**			
							Schedule B Quantity	**57.00**			
							Now To be Paid Qty	**57.00**	**486.00**	**27702.00**	

Assistant Executive Engineer,
B.B. Nagar Sub-Division,
CONTRACTOR RIDL, BBMP, Bangalore

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First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No.39		Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot complete as per specifications and site engineer in incharge									
Measurements taken on		17-05-2022									
		D1	Sqm	10	0.75		2.1	15.75			
							Total Executed Quantity	**15.75**			
							Schedule B Quantity	**15.75**			
							Now To be Paid Qty	**15.75**	**4104.00**	**64638.00**	

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Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No.40		Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg/m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality complete as per specifications and site engineer in incharge									
Measurements taken on		27-05-2022									
		W	Sqm	3	1.1		0.75	2.48			
		V	Sqm	8	2.1		0.4	6.72			
							Total Executed Quantity	**9.20**			
							Schedule B Quantity	**9.20**			
							Now To be Paid Qty	**9.20**	**4830.84**	**44419.57**	
Item No.41		M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and site engineer in incharge									
		Present Bill Measuement									
		W	Kg	3			17.33	51.98			
					21 kg per sqm 1.1*0.75*21=17.33						

Assistant Executive Engineer,
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First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
		V	Kg	8			17.64	141.12			
							21 kg per sqm				
							2.1*0.4*21=17.64				
							Total Executed Quantity	**193.10**			
							Schedule B Quantity	**193.10**			
							Tender Quantity	**193.10**	**102.6**	**19811.55**	
Item No.42		Providing and fixing factory made Galvanized plain steel door shutters 32mm thick manufactured from pre painted galvanized plain steel sheet 0.60mm thick confirming to the IS:14246. The door shutters consists of two outer skins if steel sheets , lock seam jointed at vertical stile edges, horizontal top and bottom sides to form a double skin fully flush shell. Rigid polyyurethane Foam (PUF) of density 40 kg/m3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60mm to be provided for fixing all hardware fixtures. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 900 x 2035 x 32 mm complete as per specifications and site engineer in incharge									
Measurements taken on											
		D1	Sqm	2	0.9		2.1	3.78			
		D1	Sqm	1	0.75		2.1	1.58			
							Total Executed Quantity	**5.36**			
							Schedule B Quantity	**5.36**			
							Now To be Paid Qty	**5.36**	**2311.20**	**12376.48**	

Assistant Executive Engineer,
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NAME OF THE WORK: CONSTRUCTION AND IMPROVEMENTS OF TOILETS IN WARD NO.7

BYATARAYANAPURA

MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 43		Providing and fixing factory made Galvanized plain steel door frame of profile size 125x60 mm single rebate manufactured from galvanized plain steel sheet 1.25mm thick, confirming to IS:277. The door frame consists of hinge jamb, lock jamb, head and bottom tie bars, supply in knockdown condition & to be assembeled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60mm thick pressed angle 20 x 20mm screwed to the door frame. The stiffness of 3mm thick MS GATE & pre-trapped are to be welded inside the pre-punched alots of the door frames & 4 nos. of S.S.butt hinges 100 x 59 2.5mm to be screwed to the door frame. The stiffeners & mortor guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre-treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 1000 x 2130 mm Pg no:313.Item no: 38.49.1									
Measurements taken on		26-05-2022									
		D1	Rmt	2	6			12.00			
		D1	Rmt	1	5.7			5.70			
							Total Executed Quantity	**17.70**			
							Schedule B Quantity	**17.70**			
							Now To be Paid Qty	**17.70**	**588.60**	**10418.22**	
Item No. 44		Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and site engineer in incharge									
Measurements taken on		26-05-2022									
		Present Bill Measuement									
		Windows	Sqm	3	Windows qty			2.48			
		Ventilators	Sqm	8	ventilators qty			6.72			
		Gate	Sqm	1	Gate qty			1.87			
		Grill	Sqm	1	Grill qty			29.85			
							Total Executed Quantity	**40.92**			
							Schedule B Quantity	**40.92**			
							Now To be Paid Qty	**40.92**	**102.60**	**4197.88**	

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 45		Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge									
Measurements taken on		05-01-2022									
		Gents Toilet	cum	1	4.70	4.8	0.45	10.15			
		Ladies Toilet	cum	1	4.70	4.8	0.45	10.15			
							Tender Quantity	**20.30**			
							Schedule B Quantity	**20.30**			
							Now To be Paid Qty	**20.30**	351.00	**7126.70**	
Item No. 46		Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc.,complete as per specifications and site engineer in incharge									
Measurements taken on		11-05-2022									
		Gate	Sqm	1	1.10		1.7	1.87			
							Total Executed Quantity	1.87			
							Schedule B Quantity	**1.87**			
							Now To be Paid Qty	**1.87**	**3252.96**	**6083.04**	

Assistant Executive Engineer,
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NAME OF THE WORK: CONSTRUCTION AND IMPROVEMENTS OF TOILETS IN WARD NO.7 BYATARAYANAPURA

MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 47		Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specifications and site engineer in incharge									
Measurements taken on		10-05-2022, 11-05-2022									
		Ground Floor									
		Grill	Sqm	1	18.00		1.5	27.00			
			Sqm	1	1.90		1.5	2.85			
							Total Executed Quantity	**29.85**			
							Schedule B Quantity	**29.85**			
							Now To be Paid Qty	**29.85**	**5827.68**	**173956.25**	
Item No 48		Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint,including cost of materials, labour, HOM complete as per specifications and site engineer in incharge									
Measurements taken on											
		Chain link	Sqm	1	10.70		1.9	20.33			
							Total Executed Quantity	**20.33**			
							Schedule B Quantity	**20.33**			
							Now To be Paid Qty	**20.33**	**772.20**	**15698.83**	

C&F Kmanjunath 11/5/2022

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 49		Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications and site engineer in incharge									
Measurements taken on											
		For sump	No.s	4				4.00			
							Total Executed Quantity	**4.00**			
							Schedule B Quantity	**4.00**			
							Now To be Paid Qty	**4.00**	**298.08**	**1192.32**	
Item No.50		Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification and site engineer in incharge									
Measurements taken on		22-05-2022									
		Terrace	Sqm	1	12	7.19		86.28			
		For sump									
		Bottom slab	Sqm	1	2.42	2.5		6.05			
		Sump walls	Sqm	2	2.42		2.15	10.41			
			Sqm	2	2.2		2.15	9.46			
		Cover slab	Sqm	1	2.42	2.5		6.05			
							Total Executed Quantity	**118.25**			
							Schedule B Quantity	**118.25**			
							Now To be Paid Qty	**118.25**	**568.08**	**67173.19**	

Assistant Executive Engineer,
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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No.51		Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,all complete as per the specification and site engineer in incharge									
Measurements taken on											
		Slab		1	22.60			22.60			
							Sub Total	**22.60**			
		Total length						22.60			
		No of Kerb Stones	Nos			Total Length/0.45		50.22			
		Total	Nos					**51.00**			
							Total Executed Quantity	**51.00**			
							Schedule B Quantity	**51.00**			
							Now To be Paid Qty	**51.00**	**440.64**	**22472.64**	
Item No. 52		Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per the specification and site engineer in incharge									
Measurements taken on											
		Kerb									
		Slab	Sqm	1	22.60		0.40	9.04			
							Total Executed Quantity	**9.04**			
							Schedule B Quantity	**9.04**			
							Now To be Paid Qty	**9.04**	**86.40**	**781.06**	

Assistant Executive Engineer,
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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 53		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete as per the specification and site engineer in incharge. (Data Rate)									
Measurements taken on											
		Slab	Sqm	1	22.6	0.9		20.34			
							Total Executed Quantity	**20.34**			
							Schedule B Quantity	**20.34**			
							Now To be Paid Qty	**20.34**	**2337.00**	**47534.58**	
Item No. 54		Submersible Single phase 4 inch/100mm for sump									
Measurements taken on											
		2Hp/1.5	unit	1				1			
							Total Executed Quantity	**1.00**			
							Schedule B Quantity	**1.00**			
							Now To be Paid Qty	**1.00**	**19579**	**19579.00**	
Item No 55		Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc(P.No - 47, I.No-9.4,PRED 12-13 SR)									
Measurements taken on		02-01-2022									
			Each BW	1				1			
							Total Executed Quantity	**1.00**			
							Schedule B Quantity	**1.00**			
							Now To be Paid Qty	**1.00**	**3768.00**	**3768.00**	

Assistant Executive Engineer,
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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
	Item No 56	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .									
		0-50mtrs	Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 18						**50.00**			
		Schedule B Quantity						**50.00**			
		Now To be Paid Qty						**50.00**	**347.00**	**17350.00**	
	Item No 57	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .									
		50-100mtrs	Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 19						**50.00**			
		Schedule B Quantity						**50.00**			
		Now To be Paid Qty						**50.00**	**442.00**	**22100.00**	
	Item No 58	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .									
		100-150mtrs	Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 20						**50.00**			
		Schedule B Quantity						**50.00**			
		Now To be Paid Qty						**50.00**	**456.00**	**22800.00**	

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BYATARAYANAPURA

MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 59		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work .									
		150-198mtrs	Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 21						**48.00**			
		Schedule B Quantity						**48.00**			
		Now To be Paid Qty						**48.00**	**536.00**	**25728.00**	
Item No60		Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes),with all lead and lift, loading, unloading and labour charges etc complete and as per the directions of the Engineer-in-charge.(P.No-111,I.No-84,PRED12-13 SR)									
			Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 22						**38.00**			
		Schedule B Quantity						**38.00**			
		Now To be Paid Qty						**38.00**	**1364.75**	**51860.50**	
Item No 61		Providing and fixing 250mm dia PVC Pipe and as per specification and directions.(BWSSB SR 13-14,P.No.53 I.No.1 of sl.no.11.)									
			Rmtr								
		Vide Total executed Quantity from premeasurement Page no. 23						**18.00**			
		Schedule B Quantity						**18.00**			
		Now To be Paid Qty						**18.00**	**1133.00**	**20394.00**	
Item No 62		175mm dia M.S. Casing cap(P.No-111,I.No-85,PRED 12-13 SR)									
			Each								
		Vide Total executed Quantity from premeasurement Page no. 24						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**103.00**	**103.00**	

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NAME OF THE WORK: CONSTRUCTION AND IMPROVEMENTS OF TOILETS IN WARD NO.7 BYATARAYANAPURA

MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 63		M.S. Casing pipe collars 'C' Class (P.No-111,I.No-86,PRED 12-13 SR)									
			Each								
		Vide Total executed Quantity from premeasurement Page no. 25						**7.00**			
		Schedule B Quantity						**7.00**			
		Now To be Paid Qty						**7.00**	**154.50**	**1081.50**	
Item No 64		Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work.(P.No-530,I.No-39b,BWSSB SR 13-14)									
Measurements taken on											
			Sq.cm	1	1100	20		**22000**			
		Total Executed Quantity						**22000**			
		Schedule B Quantity						**22000**			
		Now To be Paid Qty						**22000**	**0.34**	**7477.80**	
Item No 65		Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type.(MR)									
Measurements taken on											
			Nos	1				**1.00**			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**475.00**	**475.00**	

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 66		Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work P No.32/I No 3b KPWD Electrical SR 2010-11									
Measurements taken on											
			Nos	1	3			3.00			
							Total Executed Quantity	**3.00**			
							Schedule B Quantity	**3.00**			
							Now To be Paid Qty	**3.00**	**150.00**	**450.00**	
Item No 67		Supplying and laying of LT UG cable having aluminum conductor PVC insulated sheathed, galvanized, steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)(P.No - 553, I.No-10(d),BWSSB SR 13-14)									
			Mtr								
		Vide Total executed Quantity from premeasurement Page no. 26						**30.00**			
							Schedule B Quantity	**30.00**			
							Now To be Paid Qty	**30.00**	**169.95**	**5098.50**	
Item No 68		Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete sutting road surfaces(P.No - 554, I.No - 12 (b),BWSSB SR 13-14)									
			Mtr								
		Vide Total executed Quantity from premeasurement Page no. 27						**25.00**			
							Schedule B Quantity	**25.00**			
							Now To be Paid Qty	**25.00**	**85.00**	**2125.00**	
Item No 69		Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P. No. 555, I. No - 15(b),BWSSB SR 13-14)									
Measurements taken on											
			Mtr	1	2			2.00			
							Total Executed Quantity	**2.00**			
							Schedule B Quantity	**2.00**			
							Now To be Paid Qty	**2.00**	**294.58**	**589.16**	

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First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 70		Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 552, I No.- 7 , BWSSB SR 13-14)									
			Nos								
		Vide Total executed Quantity from premeasurement Page no. 28						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**2727.00**	**2727.00**	
Item No 71		Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.(P. No. 555 / I.No. 16(b),BWSSB SR 13-14)									
Measurements taken on											
			Nos	1				**1.00**			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**280.00**	**280.00**	
Item No 72		Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work(P.No - 521, I.No - 2 (f),									
Measurements taken on											
			Nos	1				**1.00**			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**311.58**	**311.58**	

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First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 73		Borewell Cap and Clamp Set (PWD SR 2018-19, Page No. XLVII, Sl no. 17)									
Measurements taken on											
			Set	1				1.00			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**1800.00**	**1800.00**	
Item No 74		Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 3 HP 20 stage									
			Nos								
		Vide Total executed Quantity from premeasurement Page no. 29						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**22582.00**	**22582.00**	
Item No 75		KSRB13-3.1: Providing and fixing polyethylene pipes high density tubes 40mm external dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (Page No. XVII, ITEM NO. 521)									
			Mtr								
		Vide Total executed Quantity from premeasurement Page no. 30						**152.00**			
		Schedule B Quantity						**152.00**			
		Now To be Paid Qty						**152.00**	**172.00**	**26144.00**	
Item No 76		Supplying of submersible pump cable 1X3X6 Sqmm (Page No. XLVII, Sl No.8,PWD SR 2018-19									
			Mtr								
		Vide Total executed Quantity from premeasurement Page no. 31						**198.00**			
		Schedule B Quantity						**198.00**			
		Now To be Paid Qty						**198.00**	**144.00**	**28512.00**	

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount	Remarks
From	To				(m)	(m)	(m)		Rs	Rs	
Item No 77		Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 10HP with star delta starter (MR) Page No.XLVII, Sl No.11, PWD SR 2018-19									
			Nos								
		Vide Total executed Quantity from premeasurement Page no. 32						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**10500.00**	**10500.00**	
Item No 78		Supplying & delivery of brand 50mm Gate Valve. (PWD SR 18-19, P.No.XLVII Sl.no,15									
Measurements taken on											
			Nos	1				**1.00**			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**1800.00**	**1800.00**	
Item No 79		Supplying & delivery of brand 50mm Non Return Valve. (PWD SR 18-19, P.No.XLVII Sl.no,16)									
Measurements taken on											
			Nos	1				**1.00**			
		Total Executed Quantity						**1.00**			
		Schedule B Quantity						**1.00**			
		Now To be Paid Qty						**1.00**	**1800.00**	**1800.00**	

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 80		Supplying and fixing MCB (P.No-XLVII, Sl .No - 19, PWD SR 18-19)									
Measurements taken on											
			Nos	1				1.00			
		Total Executed Quantity						1.00			
		Schedule B Quantity						1.00			
		Now To be Paid Qty						1.00	900.00	900.00	
Item No 81		Earthwork excavation for foundation of buildings, water supply, samitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications(P.No - 6, I.No - 2.3, PWD SR 18-19)									
			Cum					11.25			
		Vide Total executed Quantity from premeasurement Page no. 33						11.25			
		Schedule B Quantity						11.25	316.94	3565.58	
		Now To be Paid Qty						11.25			
Item No 82		Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.No - 94, I.No - 13.73.2,PWD SR 18-19)									
			Mtr					25.00			
		Vide Total executed Quantity from premeasurement Page no. 34						25.00			
		Schedule B Quantity						25.00	394.32	9858.00	
		Now To be Paid Qty						25.00			

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No 83		Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.No - 7, I.No - 2.11, PWD SR 18-19)									
			Cum								
		Vide Total executed Quantity from premeasurement Page no. 35						11.25			
		Schedule B Quantity						11.25			
		Now To be Paid Qty						11.25	128.26	1442.93	
Item No 84		KSRB 11-5 : Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11 page no 79 item No.12.5									
Measurements taken on											
			Each	2				2.00			
		Total Executed Quantity						2.00			
		Schedule B Quantity						2.00			
		Now To be Paid Qty						2.00	5352.48	10704.96	
Item No 85		KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification No. KBS 11, page no 82 item No.12.23									
Measurements taken on											
			Unit	4				4.00			
		Total Executed Quantity						**4.00**			
		Schedule B Quantity						**4.00**			
		Now To be Paid Qty						**4.00**	**3400.92**	**13603.68**	

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MEASUREMENT SHEET

First and Part Bill

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No86		KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11. page no 81 item No.12.16									
Measurements taken on											
			Unit	6				6.00			
		Total Executed Quantity						**6.00**			
		Schedule B Quantity						**6.00**			
		Now To be Paid Qty						**6.00**	**8718.84**	**52313.04**	
Item No 87		KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. page no 84 item No.12.41									
Measurements taken on											
			Unit	4				4.00			
		Total Executed Quantity						**4.00**			
		Schedule B Quantity						**4.00**			
		Now To be Paid Qty						**4.00**	**1226.88**	**4907.52**	
Item No 88		Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.									
Measurements taken on											
			Each	**18**				18.00			
		Total Executed Quantity						**18.00**			
		Schedule B Quantity						**18.00**			
		Now To be Paid Qty						**18.00**	**162.00**	**2916.00**	

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